

# B.A. in Geology

Academic Program Guide for **New Students** (Effective Fall 2018; Degree requirements revised, approved, and implemented July 2020)  
Department of Geology ([geology@rowan.edu](mailto:geology@rowan.edu))

*Students who entered Rowan University prior to Fall 2018 should follow the guide for their program and start year in consultation with their advisor.*

## Rowan University Graduation Requirements for all Majors / Degrees

- Students must complete at least 120 semester hours (sh) of coursework that apply to their Rowan University degree.
- Students must have a cumulative GPA of at least 2.0 in Rowan University coursework. (Transfer courses/credit do not count toward the RU GPA.)
- A minimum of 30 sh of coursework must be completed at/through Rowan University.
- Only grades of “D-” or above may apply to graduation/degree requirements. (Some programs may set higher minimums.)
- Students must meet the Rowan Core and Rowan Experience Requirements.
  - An individual course can potentially satisfy one Rowan Core literacy and/or multiple Rowan Experience attributes.
  - Rowan Core & Rowan Experience designations are listed in course details in Section Tally ([www.rowan.edu/registrar](http://www.rowan.edu/registrar)) and may also be searched on that site under “Attributes.” A list of Rowan Core courses is here: <https://confluence.rowan.edu/display/AS/Rowan+Core+Course+List>.
- Students must apply for graduation and should do so for the term in which they will complete all program requirements.

## Program-Specific Graduation Requirements for this Major / Degree

- Students must receive a grade of C or better in all courses satisfying Non-Program and Major requirements

## Rowan Core Requirements<sup>1</sup>

*Students must satisfy all **six** Rowan Core Literacies. A minimum total of 3 sh of coursework is required to satisfy each Literacy. With the exception of the 9 sh counted here for Communicative Literacy, credits attached to the courses in this section will apply elsewhere.*

- (COML) Communicative Literacy: *Must be met by the following three courses or their official equivalents:*  
 COMP 01111 College Composition I (3 sh)     COMP 01112 College Composition II (3 sh)     CMS 04205 Public Speaking (3 sh)
- (ARTL) Artistic Literacy                      *Recommendation from major:*
- (GLBL) Global Literacy                        *Recommendation from major:*
- (HUML) Humanistic Literacy                *Recommendation from major:*
- (QNTL) Quantitative Literacy                *Recommendation from major:* STAT 02260 (3 sh counted under non-program)
- (SCIL) Scientific Literacy                    *Recommendation from major:* CHEM 06100 (4 sh counted under non-program)

Subtotal of credits counted in this section: 9 sh

## Rowan Experience Requirements

*Students must satisfy all three Rowan Experience attributes. Credits attached to the courses in this section will apply elsewhere.*

- (LIT) Broad-Based Literature Attribute    *Recommendation from major:*
- (WI) Writing Intensive Attribute            *Recommendation from major:* Suggestion for 2020-2021 coming soon.
- (RS) Rowan Seminar Attribute<sup>2</sup>            *Recommendation from major:*

## Non-Program Courses (minimum 23 sh)

*Courses in this section cannot be in the major department.*

Course #	Course Name	Course Attributes / Notes	Sem/Yr	Grade	Credits
STAT 02260	Statistics I	Satisfies Quantitative Literacy			3
CHEM 06100	Chemistry I	Satisfies Scientific Literacy			4
CHEM 06101	Chemistry II				4
PHYS 00210	Physics I				4
BIOL 01104	Introduction to Evolution and Scientific Inquiry	Satisfies Scientific Literacy			4
MATH 01124	Reasoning with Function				4
					Subtotal: 23 sh

<sup>1</sup> The Rowan Core requirements are waived for transfer students with an earned A.A. or A.S. degree from a NJ community/county college.

<sup>2</sup> The Rowan Seminar requirement is waived for all students transferring 24 or more approved credits into Rowan University at the time of initial entry.

# B.A. in Geology

## Major Requirements (36 sh)

### *SUMMARY OF MAJOR REQUIREMENTS*

- 8 sh of Year-One Required Courses
  - 16 sh of Year-Two Required Courses
  - 8 sh of Year-Three Required Courses
  - 4 sh of Year-Four Required Courses
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- 36 sh total

### *YEAR-ONE REQUIRED COURSES*

Course #	Course Name	Course Attributes / Notes	Sem/Yr	Grade	Credits
GEOL 01101	Physical Geology				4
GEOL 01102	Earth Through Time				4
<b>Subtotal:</b>					<b>8 sh</b>

### *YEAR-TWO REQUIRED COURSES (YEAR ONE REQUIRED COURSES ARE PREREQUISITE)*

Course #	Course Name	Course Attributes / Notes	Sem/Yr	Grade	Credits
GEOL 01201	Mineralogy and Petrology				4
GEOL 01210	Invertebrate Paleontology				4
GEOL 01230	Paleoclimatology				4
GEOL 01240	Field Methods in Geology				4
<b>Subtotal:</b>					<b>16 sh</b>

### *YEAR-THREE REQUIRED COURSES*

Course #	Course Name	Course Attributes / Notes	Sem/Yr	Grade	Credits
GEOL 01320	Sedimentology and Stratigraphy				4
GEOL 01340	Structural Geology and Tectonics				4
<b>Subtotal:</b>					<b>8 sh</b>

### *YEAR-FOUR REQUIRED COURSES*

Course #	Course Name	Course Attributes / Notes	Sem/Yr	Grade	Credits
GEOL 01450	Senior Seminar in Geology				2
GEOL 01460	Current Research in Geology				2
<b>Subtotal:</b>					<b>4 sh</b>

## Free Electives for this Major/Degree in or outside of offering from Geology (52 sh)

*Students should choose Free Electives that satisfy any Rowan Core or Rowan Experience requirements that are not fulfilled by Major or Non-Program courses.*

Course #	Course Name	Course Attributes / Notes	Sem/Yr	Grade	Credits

## Total Program Credits Required for this Major / Degree: **120 SH**